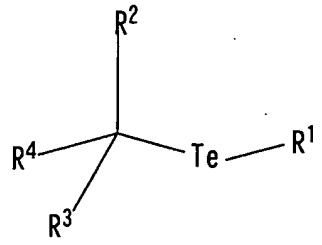
Amendments to the Claims

1. (Currently amended) A process for producing a living radical polymer ~~characterized in that~~ which comprises polymerizing a vinyl monomer ~~is polymerized with use~~ in the presence of an organotellurium compound represented by the formula (1), an azo type polymerization initiator and a ditelluride compound represented by the formula (2)



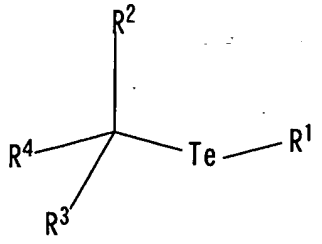
(1)

wherein R^1 is C_1-C_8 alkyl, aryl, substituted aryl or an aromatic heterocyclic group, R^2 and R^3 are each a hydrogen atom or C_1-C_8 alkyl, and R^4 is aryl, substituted aryl, an aromatic heterocyclic group, acyl, oxycarbonyl or ~~cyano.~~ cyano.

$(R^1Te)_2$ (2)

wherein R^1 is the same as above.

2. (Currently amended) A living radical polymer ~~obtainable~~ produced by polymerizing a vinyl monomer ~~with use~~ in the presence of an organotellurium compound represented by the formula (1), an azo type polymerization initiator and a ditelluride compound represented by the formula (2)



(1)

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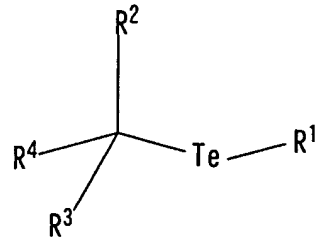
wherein R^1 is C_1-C_8 alkyl, aryl, substituted aryl or an aromatic heterocyclic group, R^2 and R^3 are each a hydrogen atom or C_1-C_8 alkyl, and R^4 is aryl, substituted aryl, an aromatic heterocyclic group, acyl, oxycarbonyl or cyano.

$(R^1Te)_2$ (2)

wherein R^1 is the same as above.

3. (Currently amended) A mixture of an organotellurium compound represented by the formula (1), an azo type polymerization initiator and a ditelluride compound represented by the formula (2)



(1)

wherein R^1 is C_1-C_8 alkyl, aryl, substituted aryl or an aromatic heterocyclic group, R^2 and R^3 are each a hydrogen atom or C_1-C_8 alkyl, and R^4 is aryl, substituted aryl, an aromatic heterocyclic group, acyl, oxycarbonyl or cyano,

$(R^1Te)_2$ (2)

wherein R^1 is the same as above.